

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of  
WATERBURY, David L. et al.

Application No.: 10/043,659

Filed: January 8, 2002

For: USE OF ARYL NITRONES  
COMPOUNDS IN METHODS FOR  
TREATING NEUROPATHIC PAIN

Group Art Unit: 1617

Examiner: Hui, San Ming R.

Confirmation No.: 5999

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

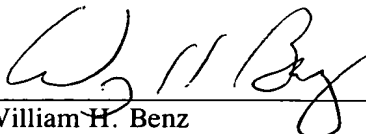
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date:

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Patent  
Attorney's Docket No. 005699-512

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TREATING NEUROPATHIC PAIN )

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

**Non-Patent Documents**

1. Bennett, G.J., et al., "A Peripheral Mononeuropathy in Rat that Produces Disorders of Pain Sensation Like those Seen in Man", *Pain*, Vol. 33, pp. 87-107 (1988).
2. DeGray, et al., "Biological Spin Trapping", *Electron Spin Resonance*, Vol. 14, pp. 246-300 (1994).
3. Dornan, et al., "Bilateral Injections of BA(25-35)+IBO into the Hippocampus Disrupts Acquisition of Spatial Learning in the Rat", *NeuroReport*, Vol. 5, pp. 165-168 (1993).

4. Eddy, et al., "Synthetic Analgesics. II. Dithienylbutenyl-And Dithienylbutulamines", *J. Pharm. Ep. Ther.*, Vol. 107, pp. 385-393 (1953).
5. Forster, et al., "Age Differences in Acquisition and Retention of One-Way Avoidance Learning in C57BL/6NNia and Autoimmune Mice", *Beha. Neural. Biology*, Vol. 49, pp. 139-151 (1988).
6. Glenner, et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein", *Biochem. Biophys. Res. Commun.*, Vol. 120, pp. 885-890 (1984).
7. Maples, K.R., et al., "In Vivo Detection of Free Radical Metabolites", *Free Radicals in Synthesis and Biology* (F. Misci, ed.), pp. 423-436 (1989).
8. McFarlin, D.E., "Recurrent Experimental Allergic Encephalomyelitis in the Lewis Rat", *The J. of Immun.*, Vol. 113, No. 2, pp. 712-715 (1974).
9. Setlzer, Z., et al., "A Novel Behavioral Model of Neuropathic Pain Disorders Produced in Rats by Partial Sciatic Nerve Injury", *Pain*, Vol. 43, pp. 205-218 (1990).
10. Tanzi, R.E., "Molecular Genetics of Alzheimer's Disease and the Amyloid B Peptide Precursor Gene", *Ann. Med.*, Vol. 21, pp. 91-94 (1989).
11. Waage, A., et al., "Local Production of Tumor Necrosis Factor  $\alpha$ , Interleukin 1, and Interleukin 6 in Meningococcal Meningitis", *J. Exp. Med.*, Vol. 170, pp. 1859-1867 (1989).
12. Whitehouse, P.J., et al., "Alzheimer's Disease and Senile Dementia: Loss of Neurons in the Basal Forebrain", *Science*, Vol. 215, pp. 1237-1239 (1982).
13. Yan, S.D., et al., "Amyloid- $\beta$  Peptide-Receptor for Advanced Glycation Endproduct Interaction Elicits Neuronal Expression of Macrophage-Colony Stimulating Factor: A Proinflammatory Pathway in Alzheimer Disease", *Proc. natl. Acad. Sci.*, Vol. 94, pp. 5296 (1997).
14. CA:100:138667 abs of Liebigs Ann Chem 11 pp. 1937-1949.
15. CA: 111:58194 abs of Chem. Express by Kotake 3(12) pp 715-718.
16. CA: 119:179060 abs Clin. Immunol. Immunopathol. by Dilvani 67(3 Pt 1) pp 199-203.

17. CA: 124:160227 abs of J. Chem. Soc. Perkin Trans. 1 by Sivasubramanian 23 pp 3353-4.
18. CA:124:200109 abs of Cirolology by Algright 217(1) pp. 211-219 (1996).
19. CA:130:217477 abs of Lupus by Dooley et al. 7(9) pp. 630-634 (1998)
20. CA: 131:85 abs of Drugs Aging by Durif 14(5) pp. 337-345 (1999)

The document are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since the documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b) no fee or statement is required.


While this Information Disclosure Statement may contain "material" information pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" to the invention disclosed and claimed in the above-referenced application unless specifically designated as such.

Applicants specifically reserve the right, where appropriate, to antedate any such reference by the appropriate showing under 37 C.F.R. § 1.131 and § 1.608, or any other appropriate means.

This Information Disclosure Statement is not a representation that a search has been made or that no other information material to the patentability of this invention exists.

To assist the Examiner, the listed documents are on the attached form PTO-1449.  
It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,  
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